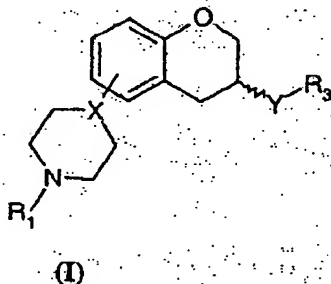


In the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) A compound of formula (I)



wherein

X is N;

Y is  $\text{CH}_2\text{NR}_2$ ,  $\text{NR}_2\text{CO}$ ,  $\text{CONR}_2$ ,  $\text{NR}_2\text{SO}_2$  or  $\text{NR}_2\text{CONR}_2$

wherein  $\text{R}_2$  is H or  $\text{C}_1\text{-C}_6$  alkyl;

$\text{R}_1$  is H,  $\text{C}_1\text{-C}_6$  alkyl or  $\text{C}_3\text{-C}_6$  cycloalkyl;

$\text{R}_3$  is  $(\text{CH}_2)_n$ -phenyl, wherein the phenyl may be mono- or di-substituted with  $\text{R}_4$  and/or  $\text{R}_5$ , is monosubstituted with  $\text{R}_4$  or disubstituted with  $\text{R}_4$  and  $\text{R}_5$ ;

wherein  $\text{R}_4$  is selected from

a) ~~H,~~

b)  ~~$\text{C}_1\text{-C}_6$  alkyl,~~

c)  ~~$\text{C}_3\text{-C}_6$  cycloalkyl,~~

d) ~~halogen,~~

e) ~~CN,~~

f)  ~~$\text{CF}_3$ ,~~

- ~~g) OH,~~
- ~~h) C<sub>1</sub>-C<sub>6</sub> alkoxy,~~
- ~~i) NR<sub>6</sub>R<sub>7</sub>,~~
- ~~j) OCF<sub>3</sub>,~~
- ~~k) SO<sub>3</sub>CH<sub>3</sub>,~~
- ~~l) SO<sub>3</sub>CF<sub>3</sub>,~~
- ~~m) SO<sub>2</sub>NR<sub>6</sub>R<sub>7</sub>,~~
- ~~n) phenyl,~~
- ~~o) phenyl-C<sub>1</sub>-C<sub>6</sub> alkyl,~~
- ~~p) phenoxy,~~
- ~~q) C<sub>1</sub>-C<sub>6</sub> alkylphenyl,~~

~~r) a) an optionally substituted 5-, 6- or 7-~~  
 membered heterocyclic ring containing one or two  
 heteroatoms selected from N, O, S, SO and SO<sub>2</sub>,  
 wherein when the heterocyclic ring is 5- or 6-  
 membered and contains one heteroatom, the  
 heteroatom is not N and when the heterocyclic ring  
 is 5- or 6-membered and contains two heteroatoms,  
 the heteroatoms are not both N and wherein the  
 substituent(s) is(are) selected from C<sub>1</sub>-C<sub>6</sub> alkyl,  
 C<sub>3</sub>-C<sub>6</sub> cycloalkyl, phenyl-C<sub>1</sub>-C<sub>6</sub> alkyl, (CH<sub>2</sub>)<sub>m</sub>OR<sub>9</sub>,  
 wherein m is 2-6 and R<sub>9</sub> is H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>6</sub>  
 cycloalkyl or phenyl-C<sub>1</sub>-C<sub>6</sub> alkyl, and COR<sub>8</sub>, and

~~e)~~ b) an optionally substituted 5- or 6-membered heteroaromatic ring containing one or two heteroatoms selected from N, O and S, wherein when the heteroaromatic ring contains one heteroatom, the heteroatom is not N and when the heteroaromatic ring contains two heteroatoms, the heteroatoms are not both N and wherein the substituent(s) is (are) selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl and phenyl-C<sub>1</sub>-C<sub>6</sub> alkyl; ~~and~~

~~t) -COR<sub>8</sub>~~

~~wherein R<sub>6</sub> is H, C<sub>1</sub>-C<sub>6</sub> alkyl or C<sub>3</sub>-C<sub>6</sub> cycloalkyl, R<sub>7</sub> is H, C<sub>1</sub>-C<sub>6</sub> alkyl or C<sub>3</sub>-C<sub>6</sub> cycloalkyl, and R<sub>8</sub> is C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, CF<sub>3</sub>, NR<sub>6</sub>R<sub>7</sub>, or phenyl,~~  
 R<sub>5</sub> is selected from H, OH, CF<sub>3</sub>, OCF<sub>3</sub>, halogen, C<sub>1</sub>-C<sub>6</sub> alkyl and C<sub>1</sub>-C<sub>6</sub> alkoxy;

and n is 0-4;

wherein the compound is an (R)-enantiomer, an (S)-enantiomer, or a racemate in the form of a free base or a pharmaceutically acceptable salt or solvate thereof.

2. (previously presented) The compound according to claim 1 wherein Y is NR<sub>2</sub>CO or CONR<sub>2</sub>.

3. (cancelled)

4. (previously presented) The compound according to claim 1, wherein  $R_1$  is H or  $C_1-C_6$  alkyl.
5. (cancelled)
6. (cancelled)
7. (currently amended) The compound according to claim 1, wherein  $n$  is 0.
8. cancelled
9. (currently amended) The compound according to claim 1, wherein  $Y$  is  $NR_2CO$ .
10. (currently amended) The compound according to claim 1 wherein  $Y$  is  $NR_2CO$  and  $R_4$  is morpholino or  $CO_2R_4$ .
11. (cancelled)
12. (previously presented) A pharmaceutical formulation comprising as active ingredient a therapeutically effective amount of the compound of claim 1 as an enantiomer or racemate, in the form of a free base or a pharmaceutically acceptable salt or solvate thereof optionally in association with diluents, excipients or inert carriers.
13. (previously presented) A method for the treatment of 5-hydroxytryptamine-mediated disorders, comprising administering to a patient in need of such treatment a

therapeutically effective amount of the pharmaceutical formulation of claim 12.

14-26. (cancelled)

27. (previously presented) A method for the treatment of 5-hydroxytryptamine mediated disorders comprising administering to a mammal in need of such treatment a therapeutically effective amount of a compound defined in claim 1.

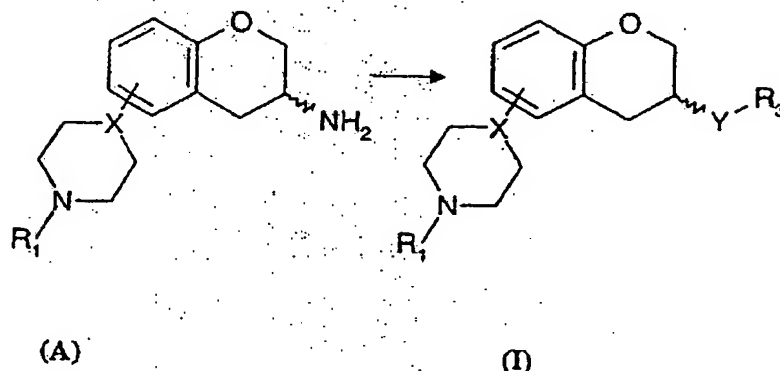
28. (previously presented) A method for the treatment of 5-hydroxytryptamine-mediated disorders in the central nervous system which require treatment with an h5-HT<sub>1B</sub> antagonist, which comprises administering to a mammal in need of such treatment a therapeutically effective amount of a compound defined in claim 1.

29. (previously presented) A process for the preparation of the compound of formula I according to claim 1, comprising:

A(i)

acylation, in the case wherein R<sub>1</sub> is C<sub>1</sub>-C<sub>6</sub> alkyl or C<sub>3</sub>-C<sub>6</sub> cycloalkyl, Y is NR<sub>2</sub>CO, R<sub>2</sub> is hydrogen and X and R<sub>3</sub> are as

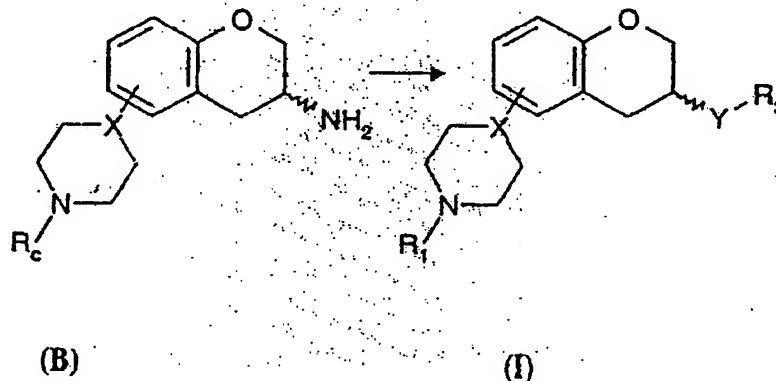
defined in claim 1, of a compound of formula A,



with an activated carboxylic acid R<sub>3</sub>-COLg<sub>1</sub> wherein Lg<sub>1</sub> is a leaving group; or with a carboxylic acid R<sub>3</sub>-COOH and an activating reagent;

A(ii)

acylation, in the case wherein R<sub>1</sub> is hydrogen, Y is NR<sub>2</sub>CO, R<sub>2</sub> is hydrogen, R<sub>c</sub> is a protecting group and X and R<sub>3</sub> are as defined in claim 1, of a compound of formula B

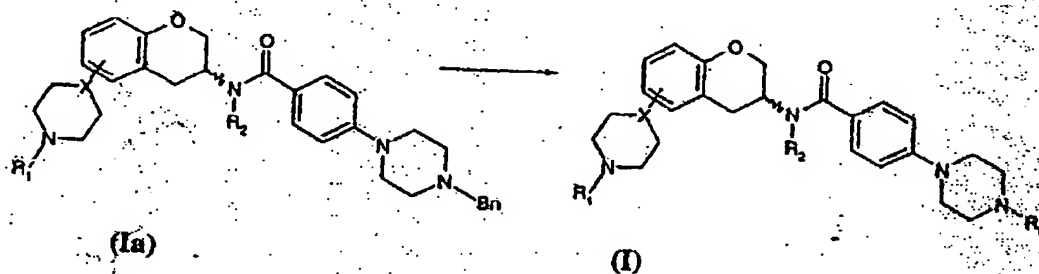


with an activated carboxylic acid R<sub>3</sub>-COLg<sub>1</sub> wherein Lg<sub>1</sub> is a

leaving group; or with a carboxylic acid  $R_3$ -COOH and an activating reagent, and removing the protecting group  $R_C$ ;

A(iii)

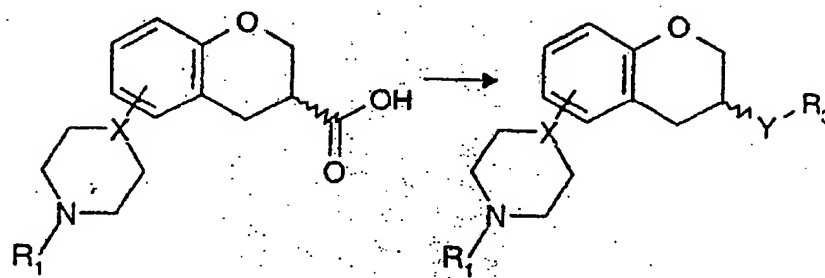
debenzylation, in the case wherein  $R_1$  is  $C_1$ - $C_6$  alkyl or  $C_3$ - $C_6$  cycloalkyl, X and  $R_2$  are as defined in claim 1 and  $R_3$  below is  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_6$  cycloalkyl,  $(CH_2)_mOH$  wherein m is 2-6, or  $COR_8$ , of a compound of formula Ia, followed by a) hydrogenation, b) alkylation, c) alkylation and removal of a protecting group or d) acylation;



B(i)

reacting, in the case wherein  $R_1$  is  $C_1$ - $C_6$  alkyl or  $C_3$ - $C_6$  cycloalkyl, Y is  $CONR_2$ , and X,  $R_2$  and  $R_3$  are as defined in claim 1, an activated carboxylic

acid of a compound of formula C;



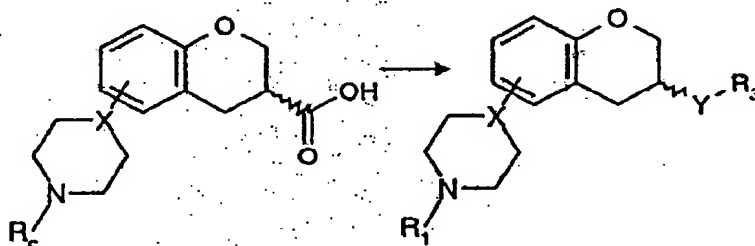
(C)

(I)

with an aniline or an amine  $\text{HNR}_2\text{R}_3$ ; or

B(ii)

reacting, in the case wherein  $\text{R}_1$  is hydrogen,  $\text{Y}$  is  $\text{NR}_2\text{CO}$ ,  $\text{R}_c$  is a protecting group and  $\text{X}$ ,  $\text{R}_2$  and  $\text{R}_3$  are as defined in claim 1, an activated carboxylic acid of a compound of formula D



(D)

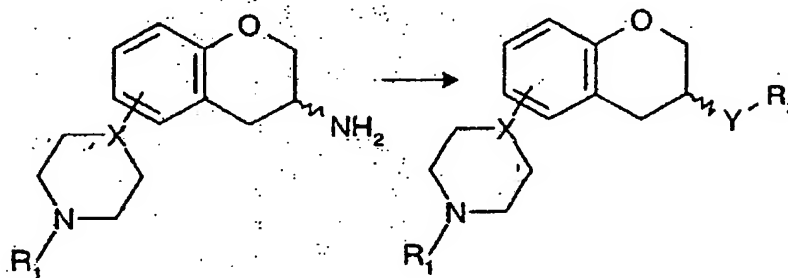
(I)

with an aniline or an amine  $\text{HNR}_2\text{R}_3$ , and removing the protecting group  $\text{R}_c$ ; or



C

reacting, in the case wherein  $R_1$  is  $C_1$ - $C_6$  alkyl or  $C_3$ - $C_6$  cycloalkyl, Y is  $NR_2CONR_2$ ,  $R_2$  is hydrogen and X and  $R_3$  are as defined in claim 1, a compound of formula A,

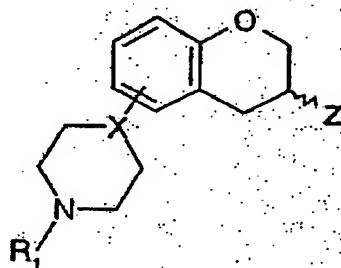


(A)

(I)

with a suitable azide in the presence of a carboxylic acid,  $R_3COOH$ .

30. (previously presented) A compound of the formula



wherein

$X=N$ ;

$Z=NH_2$  or  $COOH$ ; and

$R_1$  is H,  $C_1$ - $C_6$  alkyl or  $C_3$ - $C_6$  cycloalkyl.

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